

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L2 | 401 | (362/464).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L3 | 788 | (315/77).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L4 | 236 | (vehic\$6 same lamp) and (semiconduc\$4 same light same emitting same element) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L5 | 187 | (362/466).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L6 | 222 | (362/460).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L7 | 332 | (362/487).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L8 | 65 | (362/504).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L9 | 531 | (362/507).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L10 | 68 | (362/508).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L11 | 64 | (362/525).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L12 | 327 | (362/85).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |

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| L13 | 51 | (362/113).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L14 | 152 | Stam with Joseph | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L15 | 72 | Stam with Joseph and (position\$4 stop\$5 halt\$4) same (car automobil\$4 vehic\$6) same (lamp\$4 headlamp) and current | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L16 | 1020 | (315/82).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L17 | 604 | L16 and (vehicular lamp) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L18 | 75 | (position\$4 stop\$5 halt\$4) same (car automobil\$4 vehic\$6) same (lamp\$4 headlamp) and (led light near3 emit\$6) and (driver user operator) and current near3 (reduc\$5 control\$4 decreas\$5) and (car automobil\$4 vehic\$6) same stop\$4 same (current near3 (reduc\$5 control\$4 decreas\$5))and speed and switch | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L19 | 1 | L10 and (vehic\$5 NEAR (lamp headligh\$3 light)) and (curre\$4 near control\$4 near unit) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L20 | 206 | takeda with hitoshi | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L21 | 25 | L20 and (vehic\$6 same lamp) and (semiconduc\$4 same light same emitting same element) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L22 | 2 | L2 and (vehic\$6 same lamp) and (semiconduc\$4 same light same emitting same element) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L23 | 9 | L3 and (vehic\$6 same lamp) and (semiconduc\$4 same light same emitting same element) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |

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| L24 | 126 | (vehic\$6 same lamp) and (semiconduc\$4 same light same emitting same element) and current | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L25 | 67 | (vehic\$6 same lamp) and (semiconduc\$4 same light same emitting same element) and (current same control\$4) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L26 | 3 | L5 and (vehic\$5 NEAR (lamp headligh\$3 light)) and (curre\$4 near control\$4 near unit) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L27 | 7 | (vehic\$5 NEAR (lamp headligh\$3 light)) and (curre\$4 near control\$4 near unit) and (semiconduc\$4 adj light adj emitting adj element) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L28 | 15 | (vehic\$5 NEAR (lamp headligh\$3 light)) and (curre\$4 near control\$4 near unit) and led | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L29 | 34 | (position\$4 stop\$6 halt\$4) same (car automobil\$4 vehic\$6) same (lamp\$4 headlamp) and @ad<"20030314" and (led light near3 emit\$6) and (driver user operator) and current near3 (reduc\$5 control\$4 decreas\$5) and (car automobil\$4 vehic\$6) same stop\$4 same (current near3 (reduc\$5 control\$4 decreas\$5)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L30 | 2 | "20040179366" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L31 | 9 | "09528389" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L32 | 3 | "6611610".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L33 | 2 | "6255639".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L34 | 2 | "5837994".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |

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| L35 | 77 | (position\$4 stop\$5 halt\$4) same (car automobil\$4 vehic\$6) same (lamp\$4 headlamp) and (led light near3 emit\$6) and (driver user operator) and current near3 (reduc\$5 control\$4 decreas\$5) and (car automobil\$4 vehic\$6) same stop\$4 same (current near3 (reduc\$5 control\$4 decreas\$5))and speed | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L36 | 46 | Ito with Masayasu and (position\$4 stop\$6 halt\$4) same (car automobil\$4 vehic\$6) same (lamp\$4 headlamp) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L37 | 81 | Stam with Joseph and (position\$4 stop\$5 halt\$4) same (car automobil\$4 vehic\$6) same (lamp\$4 headlamp) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L38 | 20 | Stam with Joseph and (position\$4 stop\$5 halt\$4) same (car automobil\$4 vehic\$6) same (lamp\$4 headlamp) and (current near control\$4) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L39 | 6 | L16 and (vehicular lamp) and parallel and (semiconduc\$4 same light same emitting same element) and (current same control\$4) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L40 | 7 | L16 and (vehicular lamp) and parallel and (semiconduc\$4 same light same emitting same element) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L41 | 3 | "6335548".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L42 | 2 | "20020047533" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L43 | 2 | "6728393".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L44 | 2 | "6507779".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |

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| L45 | 2 | "6465962".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L46 | 2 | "6396397".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L47 | 2 | "6356376".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L48 | 2 | "6349782".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L49 | 2 | "6329925".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L50 | 2 | "6166698".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L51 | 2 | "6130421".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L52 | 2 | "6097023".pn. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L53 | 2 | "20040179366" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L54 | 2 | "20030123705" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L55 | 4 | "2001009486" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L56 | 141 | Ito with Masayasu | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |

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| L57 | 311 | L16 and (vehicular lamp) and parallel | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L58 | 286 | (position\$4 stop\$5 halt\$4) same (car automobil\$4 vehic\$6) same (lamp\$4 headlamp) and (led light near3 emit\$6) and (driver user operator) and current near3 (reduc\$5 control\$4 decreas\$5) and (car automobil\$4 vehic\$6) same stop\$4 same (current near3 (reduc\$5 control\$4 decreas\$5))and speed andswitch | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L59 | 273777 | iso | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L60 | 12 | (vehic\$6 same lamp) and (semiconduc\$4 same light same emitting same element) and (current same control\$4)and (temperature with (controll detect\$4)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L61 | 805 | (vehic\$6 same lamp) and (current same control\$4)and (temperature with (controll detect\$4)) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L62 | 1520 | ((315/112) or (315/113) or (315/114) or (315/115) or (315/116) or (315/117) or (315/118) or (315/119)).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L63 | 85 | (LED\$1 or (light\$4 near4 diode\$1)) same current and L62 | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L64 | 10 | (LED\$1 or (light\$4 near4 diode\$1)) same current and L62 and (vehicular or vehicle) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L65 | 1185 | (LED\$1 or (light\$4 near4 diode\$1)) same current same temperature and (vehicular or vehicle) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L66 | 4 | (LED\$1 or (light\$4 near4 diode\$1)) same current same temperature and (vehicular or vehicle) and L62 | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |

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| L67 | 1520 | ((315/112) or (315/113) or (315/114) or (315/115) or (315/116) or (315/117) or (315/118) or (315/119)).CCLS. | US-PGPUB; USPAT; USOCR; DERWENT | OR | OFF | 2006/09/28 21:49 |
| L68 | 5 | (LED\$1 or (light\$4 with diode\$1)) same current same temperature and (vehicular or vehicle) and L67 | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L69 | 70 | ("20020040962" "2131888" "2632040" "2827594" "3179845" "3581276" "4139801" "4236099" "4357558" "4376909" "4599544" "4665321" "4692798" "4727290" "4768135" "4862037" "4891559" "4930742" "4967319" "5036437" "5072154" "5086253" "5124549" "5166681" "5182502" "5187383" "5235178" "5329206" "5416318" "5426294" "5434407" "5451822" "5471515" "5508592" "5537003" "5550677" "5614788" "5660454" "5666028" "5707129" "5715093" "5796094" "5811888" "5812321" "5835613" "5837994" "5841126" "5877897" "5912534" "5923027" "5942853" "5990469" "6008486" "6049171" "6097023" "6130421" "6144158" "6166698" "6329925" "6349782" "6356376" "6396397" "6465962" "6507779").PN. OR ("6728393").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/28 21:49 |
| L70 | 19 | L69 and temperature and current | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/09/28 21:49 |
| L71 | 6 | ((vehicle vehicular) near lamp) with (position near lamp) with led | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/28 21:49 |

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| L72 | 6 | ((vehicle vehicular) near lamp) with (position near lamp) with (led (light adj emitting adj element)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/28 21:49 |
| L73 | 89 | ((vehicle vehicular) near lamp) with (position near lamp) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/28 21:49 |
| L74 | 8 | ((vehicle vehicular) near lamp) with (position near lamp) with current | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/28 21:49 |
| L75 | 27 | ((vehicle vehicular) near lamp) with (position near lamp) and current | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/28 21:49 |